

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A protective cap for adhesion to a substrate, the cap comprising:
 - a substantially flat base sheet;
 - a dome extending outwardly from an obverse side of the base sheet and forming a cavity in the opposite side of the base sheet, the cavity sized for substantially encapsulating a connector;
 - a semi-tubular shield extending outwardly from one side of the base sheet and defining a channel in the opposite side of the base sheet extending from the cavity toward the periphery of the base sheet; and
 - an integrated primer layer comprising a pressure-sensitive adhesive and attached to the reverse side of the base sheet for application to the substrate, in which the primer layer comprises a polyolefin material and synthetic elastomers.
2. (Cancel)
3. (Original) The cap of claim 1 in which the primer layer comprises thermoplastic elastomers and synthetic resins.
4. (Original) The cap of claim 1 in which the primer layer is a material selected from the group containing polyolefin and synthetic elastomers.

5. (Original) The cap of claim 1 in which the primer layer has a service temperature of between about -30 and 150 degrees F (-35 to 66 degrees C).

6. (Original) The cap of claim 1 in which the primer layer has an application temperature of at least about -10 degrees F (-23 degrees C).

7. (Original) The cap of claim 1 in which the primer layer has a total thickness from between about 20 and 60 mils (1 and 1.52 mm).

8. (Original) The cap of claim 1 in which the primer layer is elastically deformable to about a 0.5 in radius at about -40 F (15.7 radius at -28.9 C).

9. (Original) The cap of claim 1 in which the primer layer exhibits a dielectric strength of at least about 15kV.

10. (Original) The cap of claim 1 in which the primer layer exhibits a resistivity of at least about 10^8 megohms.

11. (Original) The cap of claim 1 wherein the primer layer absorbs less than about 0.05 percent water, by weight of the primer layer.

12. (Original) The cap of claim 1 in which the base sheet comprises substantially linear perforations for improved flexibility.

13. (Original) The cap of claim 1 wherein the cavity contains a yieldable insulating liquid compound conforming around the connector.

14. (Original) The cap of claim 1 further comprising at least one release liner attached thereto, extending along the obverse side of the base.

15. (Original) A protective cap for a connector adapted for adhesion to a substrate, the cap comprising:

- a planar base sheet;

- an igloo-shaper dome extending outwardly from an obverse side of the base sheet and forming a cavity in the opposite side of the base sheet, the cavity sized for encapsulating the metal connector;

- a semi-tubular shield extending outwardly from one side of the base sheet and defining a channel in the opposite side of the base sheet extending from the cavity toward the periphery of the base sheet, the shield sized for substantially encapsulating a lead extending from the connector;

- an integrated primer layer comprising a pressure-sensitive adhesive and attached to the reverse side of the base sheet for application to the substrate; and

- an adhesive layer having at least one release line attached thereto, extending along the obverse side of the base.

16. (Original) The cap of claim 1 in which the primer layer is substantially cathodic disbondment resistant.

17. (Withdrawn) A method for protecting a wire lead extending from a substrate, the method comprising:

- providing a protective cap comprising a substantially flat base sheet and an integrated primer layer along a lower surface of the sheet, the primer layer including a pressure-sensitive adhesive protected by a release liner;

- positioning the protective cap proximate the wire lead;

- removing the release liner to expose the pressure-sensitive adhesive; and

applying the protective cap to the wire lead such that at least part of the lead penetrates the integrated primer layer.

18. (Withdrawn) The method of claim 17 in which the base sheet includes substantially linear perforations for improved flexibility and further comprising bending the protective cap about the substrate along at least the perforations.